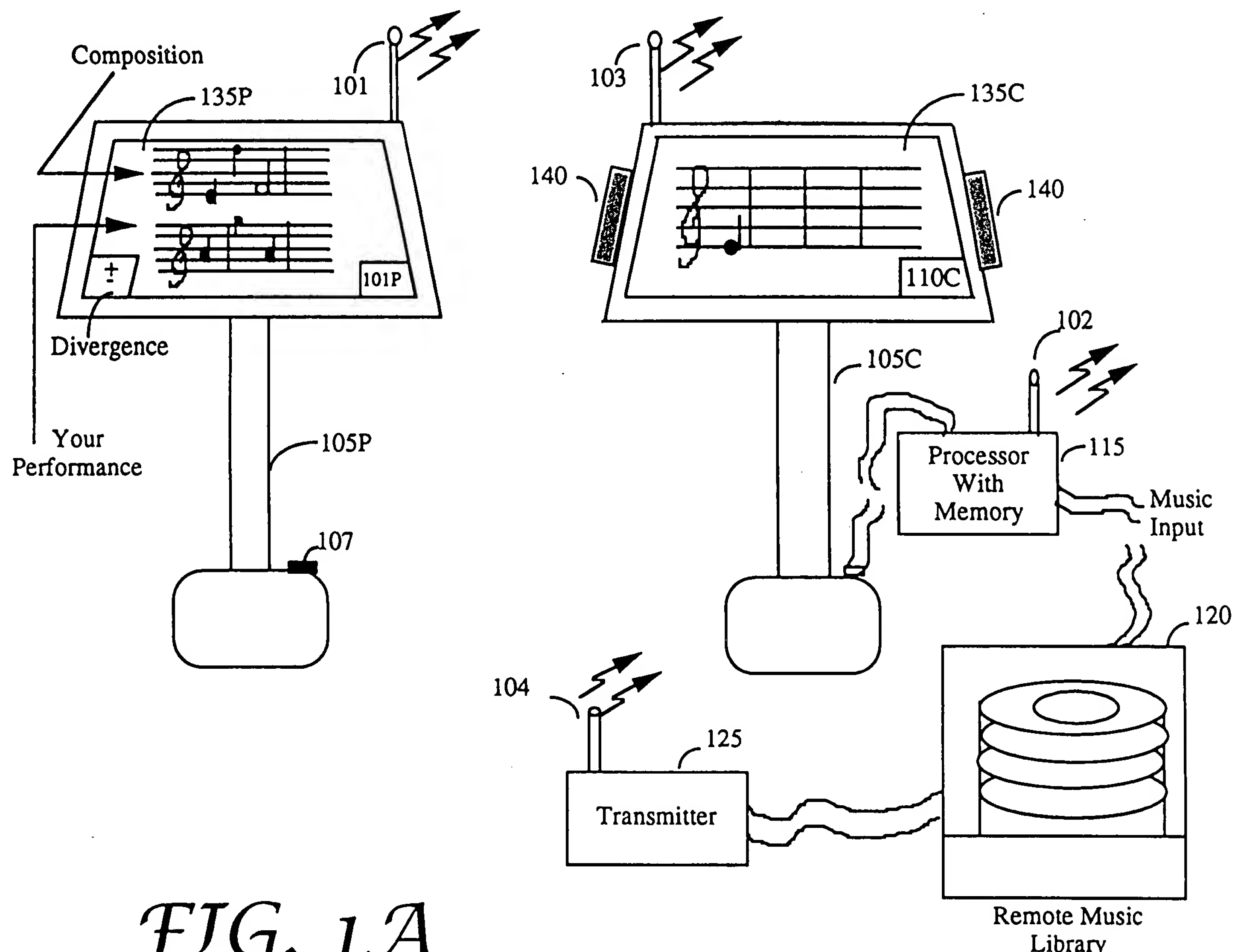

Composition
135P
101
101P
Divergence
Your Performance
105P
107
103
135C
140
140
110C
105C
102
Processor With Memory
115
Music Input
120
104
125
Transmitter
Remote Music Library

FIG. 1A

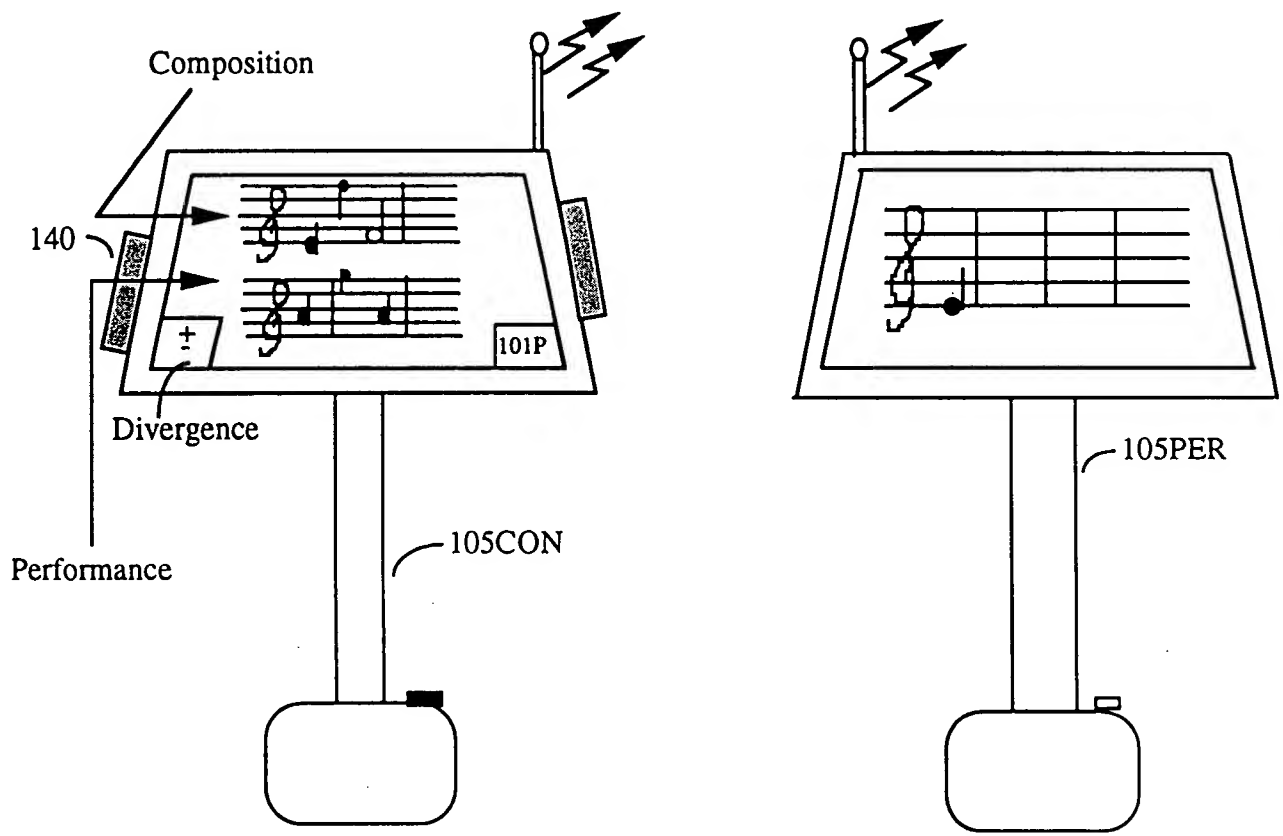
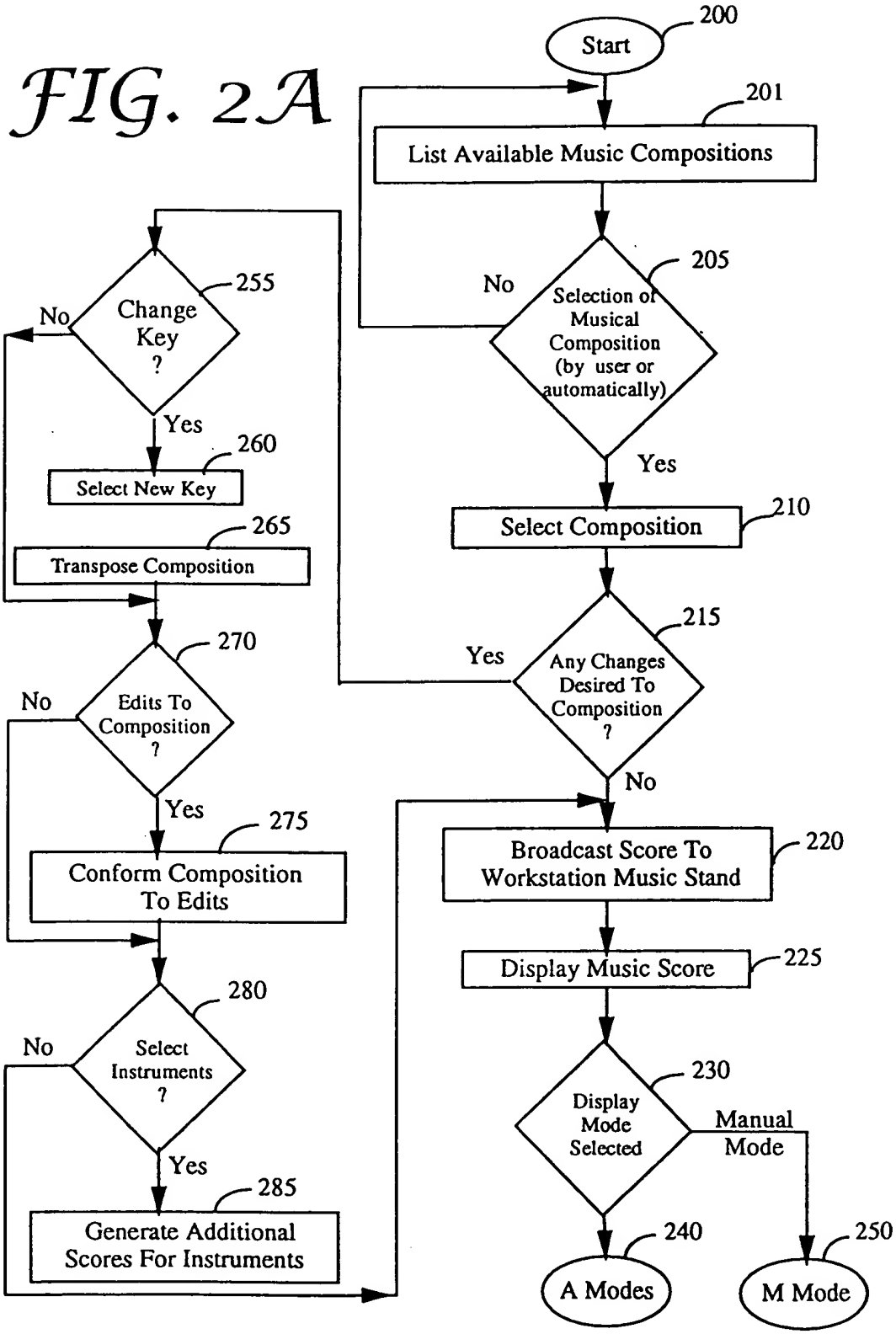

Composition
140
Performance
Divergence
±
101P
105CON
105PER

FIG. 1B

FIG. 2A


Start
200
List Available Music Compositions
201
Selection of Musical Composition (by user or automatically)
205
No
Yes
Select Composition
210
Any Changes Desired To Composition ?
215
Yes
No
Broadcast Score To Workstation Music Stand
220
Display Music Score
225
Display Mode Selected
230
Manual Mode
A Modes
240
M Mode
250
Change Key ?
255
No
Yes
Select New Key
260
Transpose Composition
265
Edits To Composition ?
270
No
Yes
Conform Composition To Edits
275
Select Instruments ?
280
No
Yes
Generate Additional Scores For Instruments
285

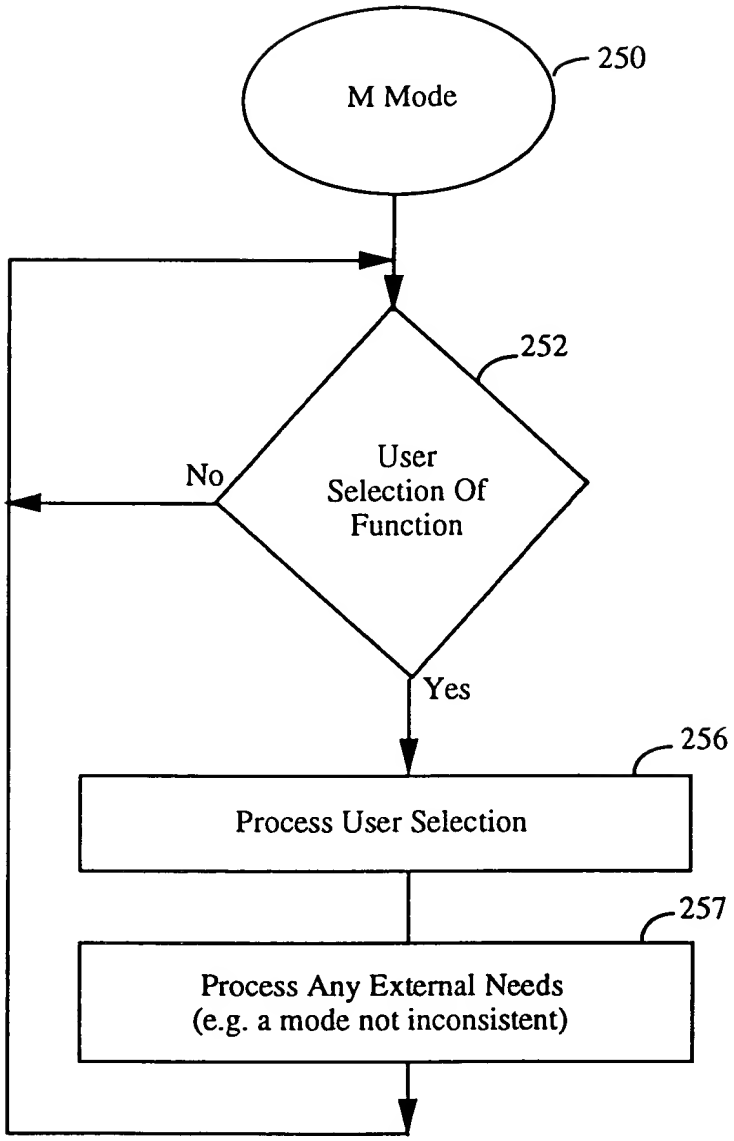

M Mode
250
252
User Selection Of Function
No
Yes
256
Process User Selection
257
Process Any External Needs (e.g. a mode not inconsistent)

FIG. 2B

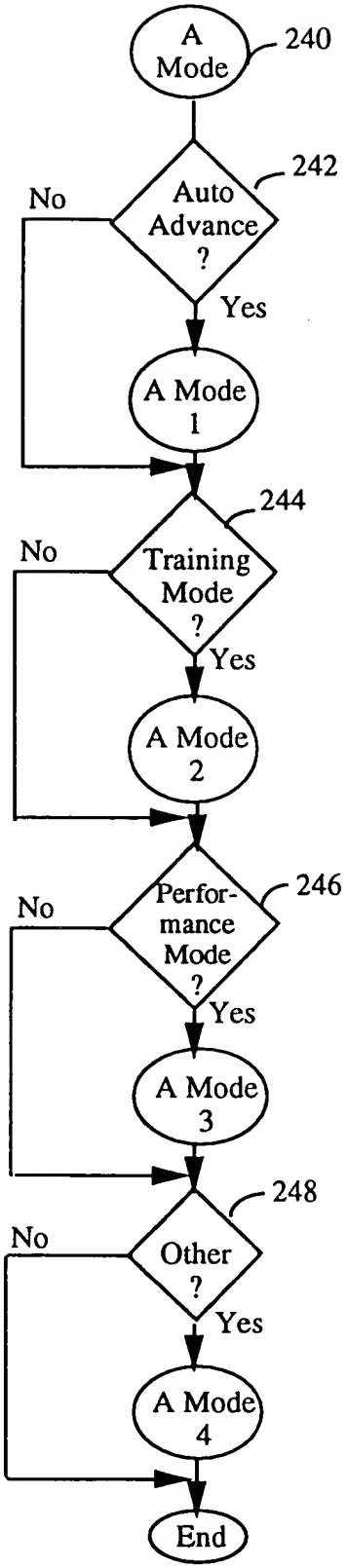

A Mode
240
Auto Advance ?
242
No
Yes
A Mode 1
Training Mode ?
244
No
Yes
A Mode 2
Perfor-mance Mode ?
246
No
Yes
A Mode 3
Other ?
248
No
Yes
A Mode 4
End

FIG. 2C

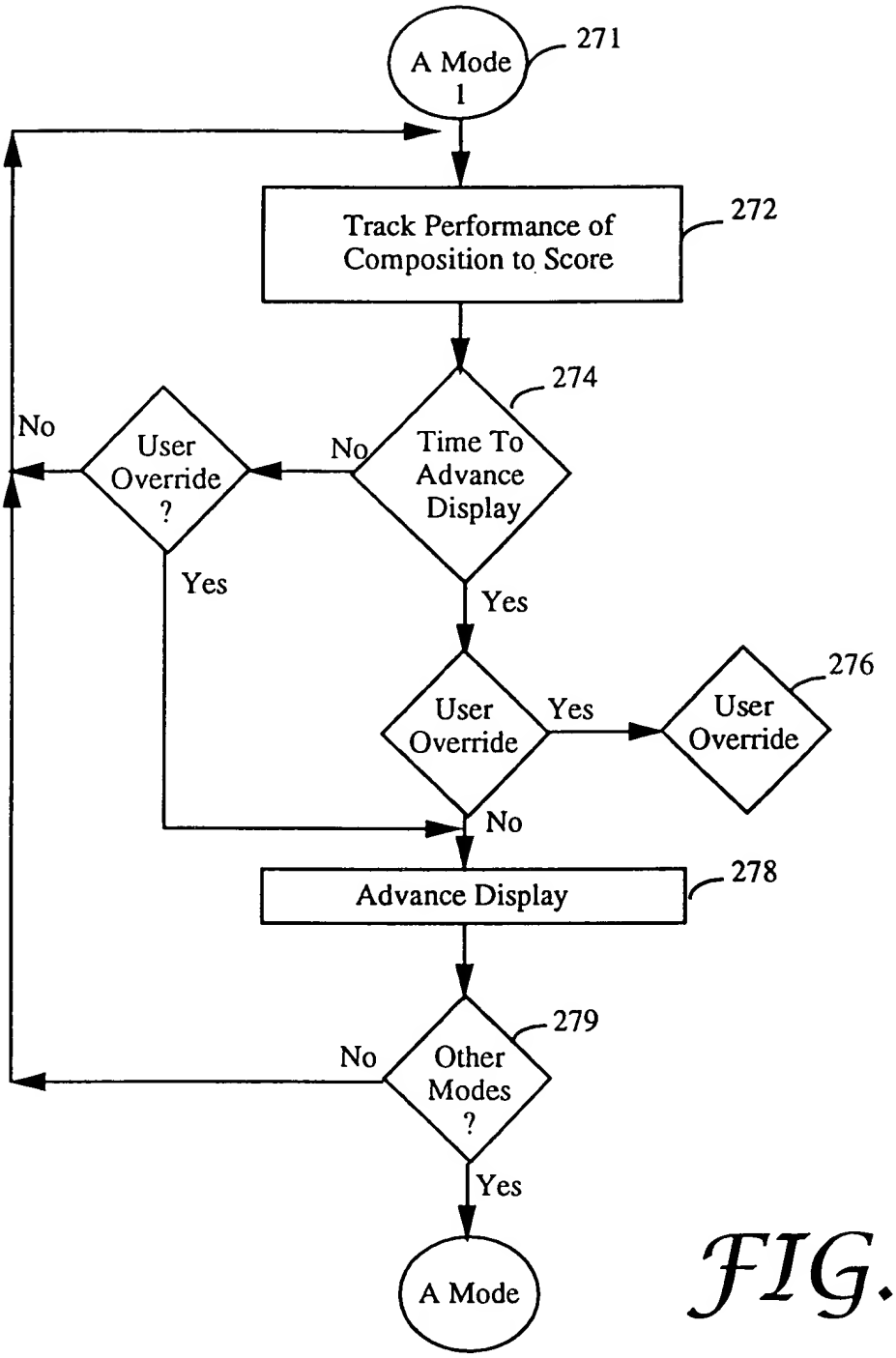

A Mode 1
271
Track Performance of Composition to Score
272
Time To Advance Display
274
No
User Override ?
No
Yes
Yes
User Override
Yes
User Override
276
No
Advance Display
278
Other Modes ?
279
No
Yes
A Mode

FIG. 2D

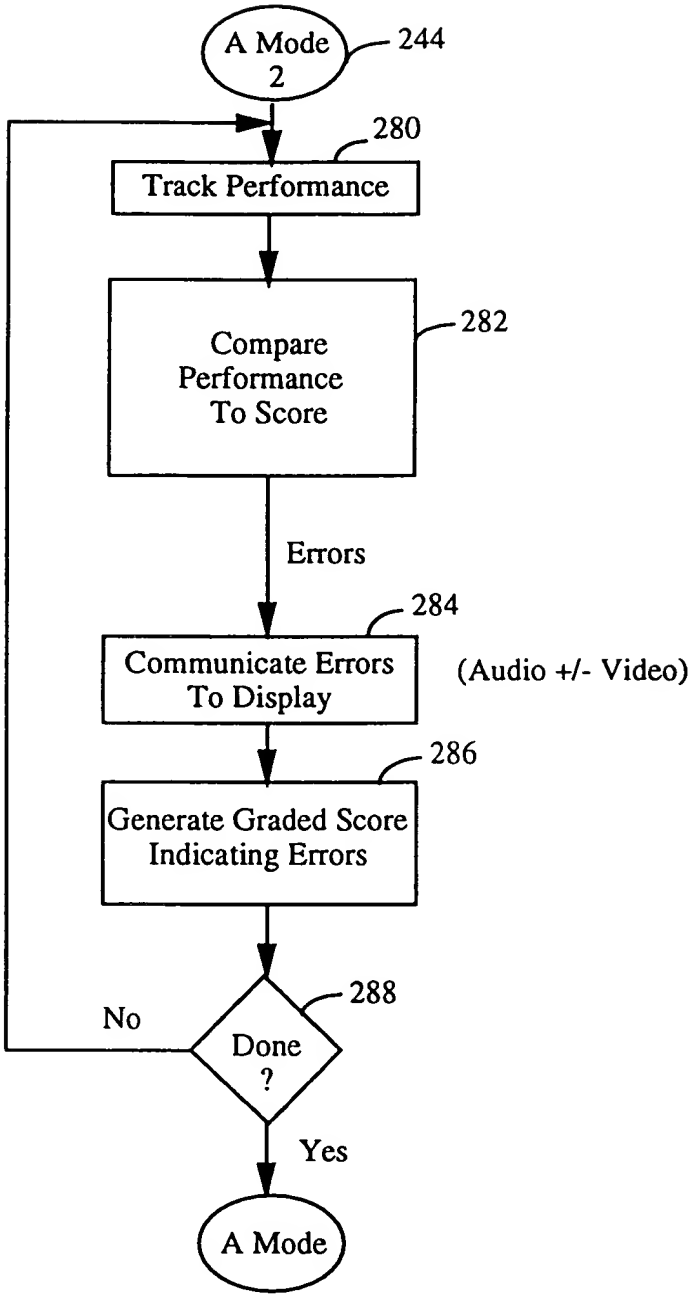

A Mode 2
244
280
Track Performance
Compare Performance To Score
282
Errors
284
Communicate Errors To Display
(Audio +/- Video)
286
Generate Graded Score Indicating Errors
288
No
Done ?
Yes
A Mode

FIG. 2E

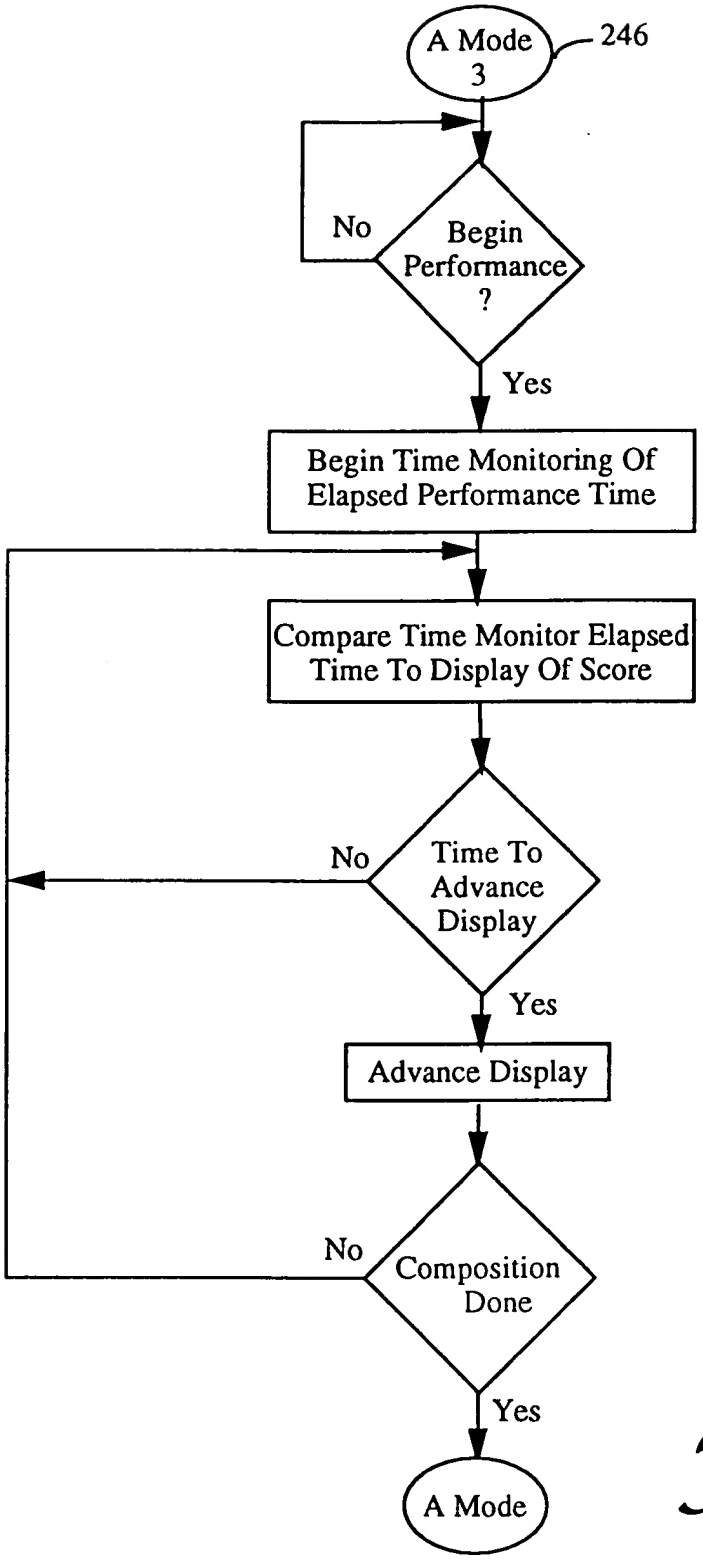
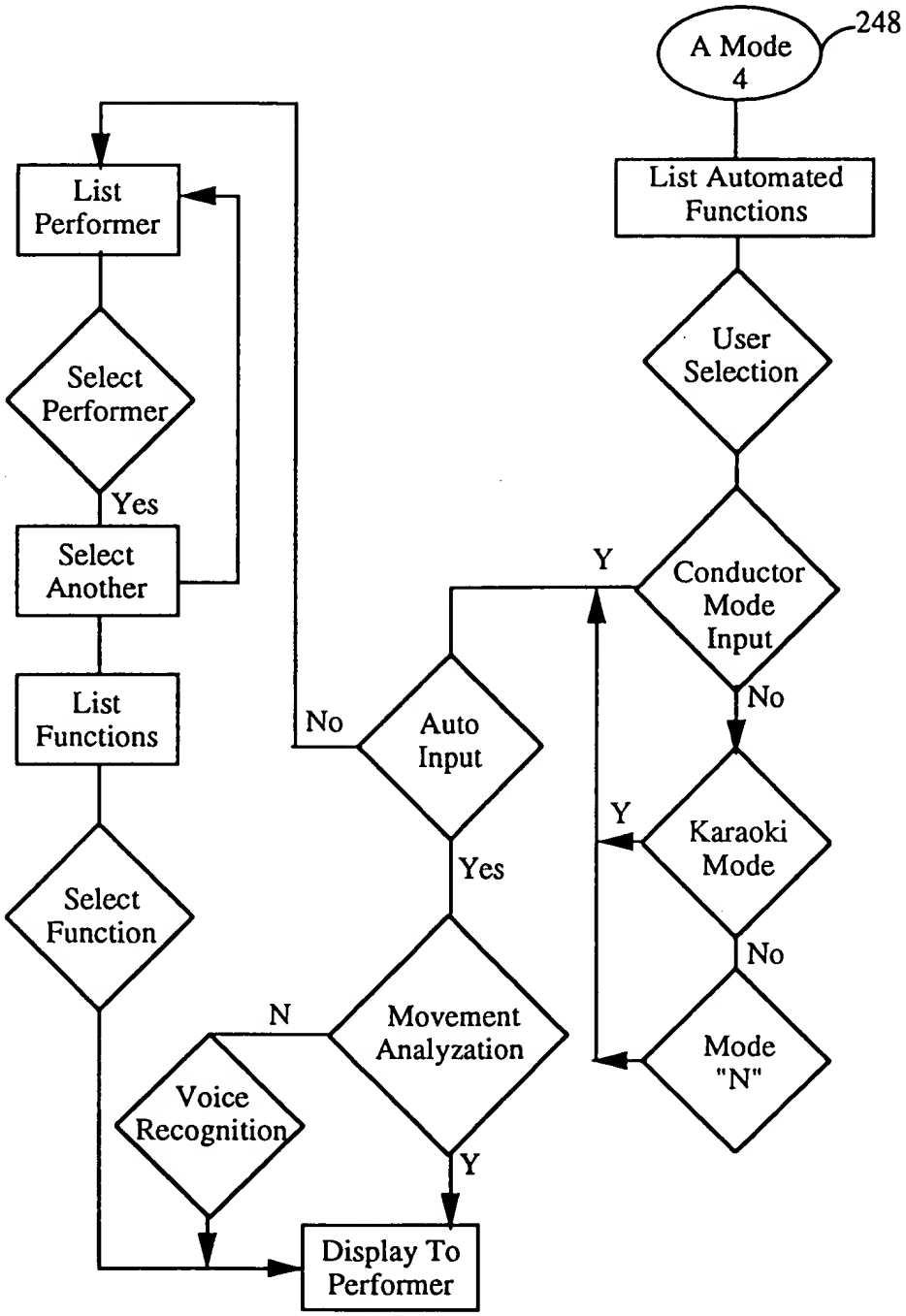

A Mode 3
246
No
Begin Performance ?
Yes
Begin Time Monitoring Of Elapsed Performance Time
Compare Time Monitor Elapsed Time To Display Of Score
No
Time To Advance Display
Yes
Advance Display
No
Composition Done
Yes
A Mode

FIG. 2F

FIG. 2G


CONDUCTOR MODE
A Mode 4
248
List Automated Functions
User Selection
Conductor Mode Input
Y
No
Karaoki Mode
Y
No
Mode "N"
List Performer
Select Performer
Yes
Select Another
List Functions
Select Function
No
Auto Input
Yes
Movement Analyzation
N
Voice Recognition
Y
Display To Performer

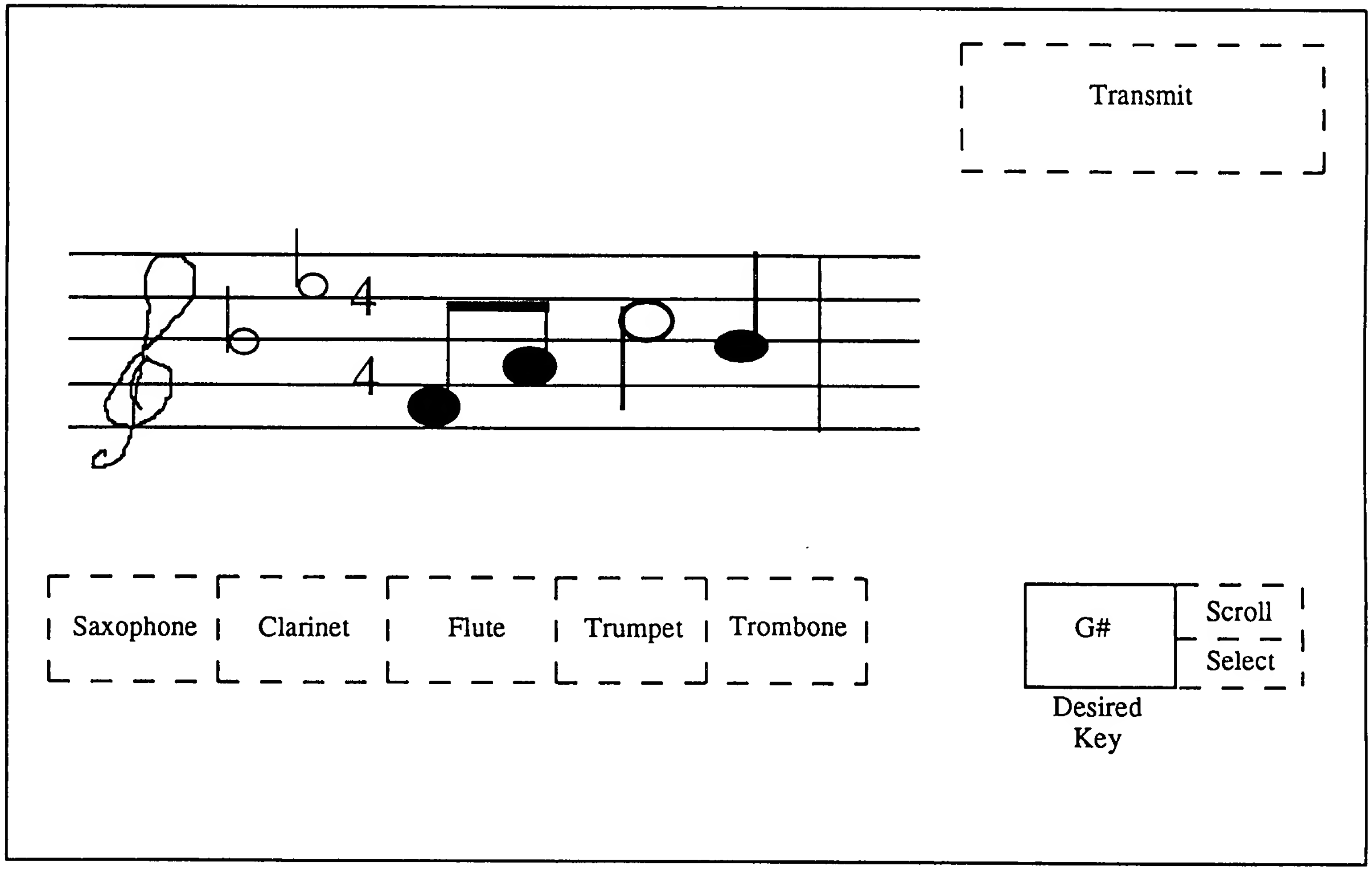

Transmit
Saxophone
Clarinet
Flute
Trumpet
Trombone
G#
Scroll
Select
Desired
Key

FIG. 3

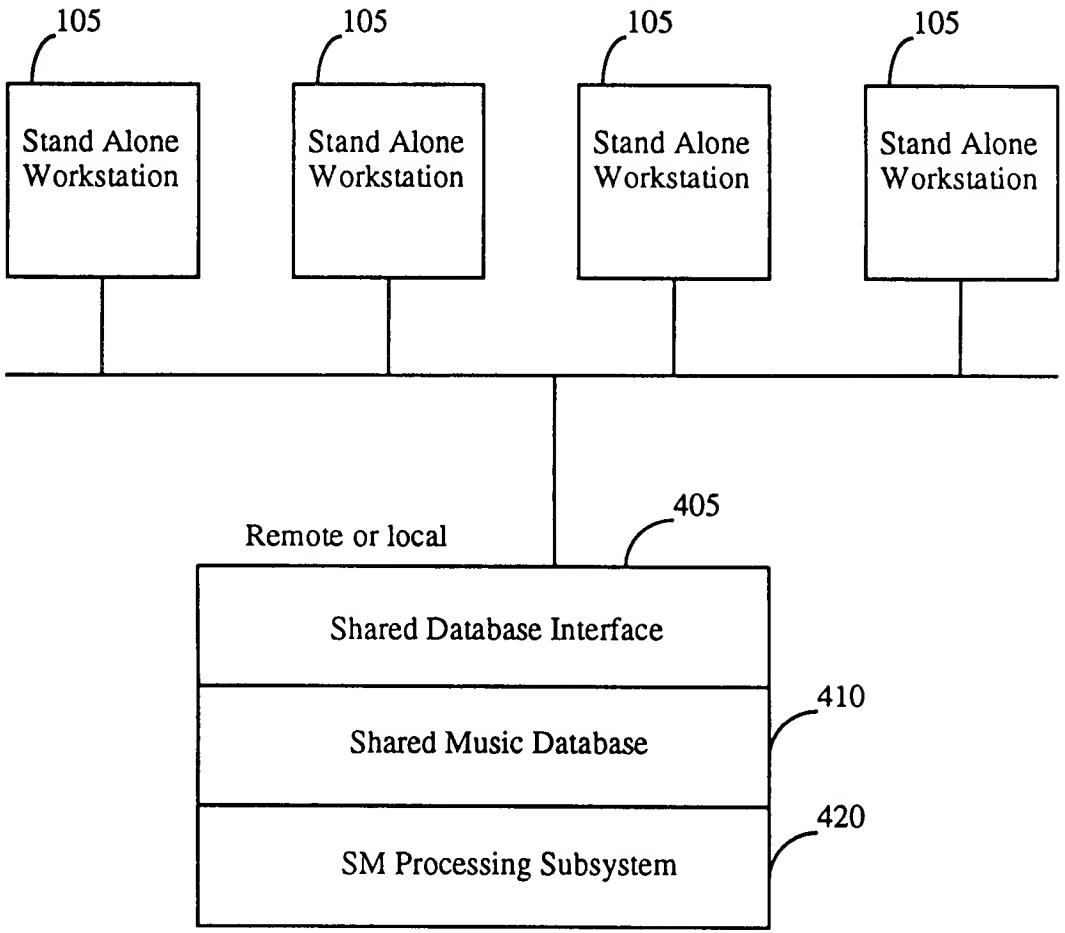


FIG. 4

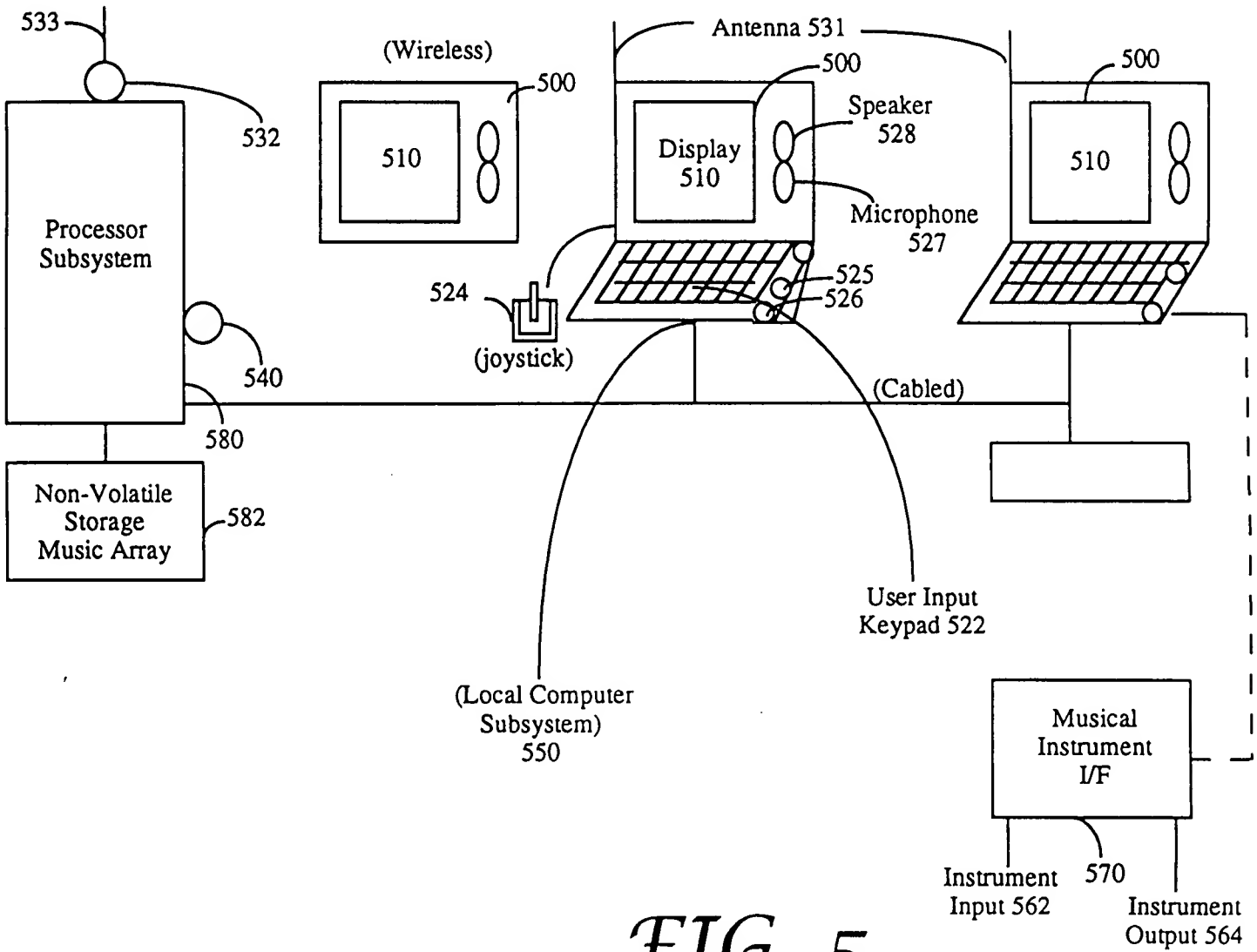


FIG. 5

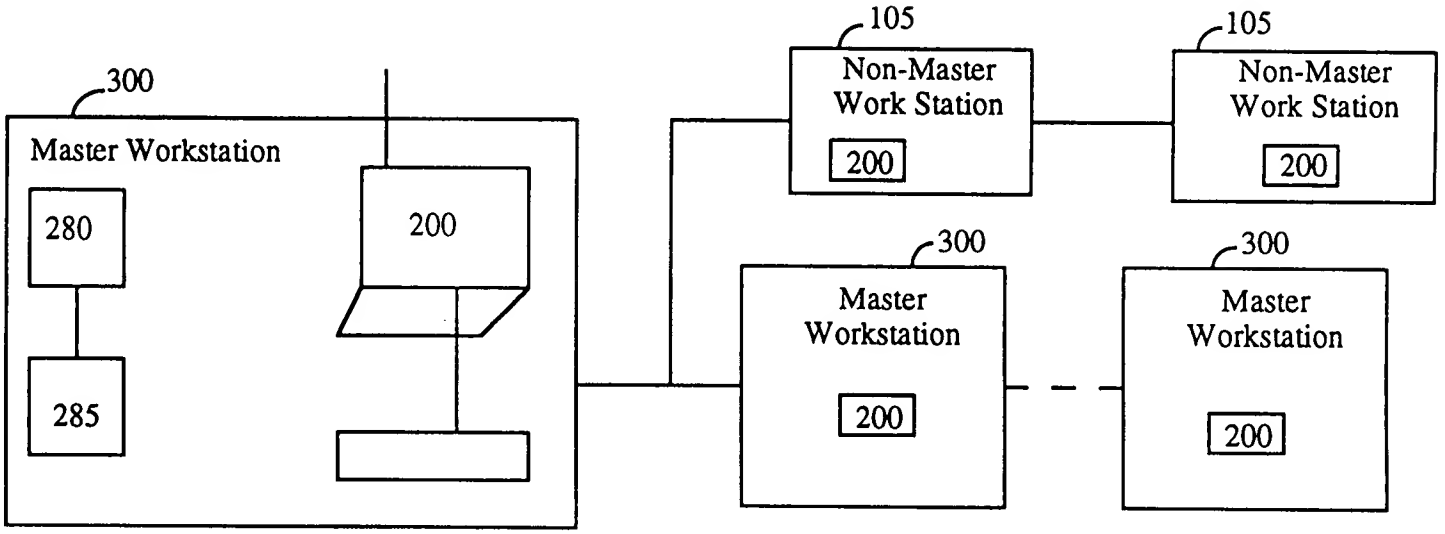


FIG. 6

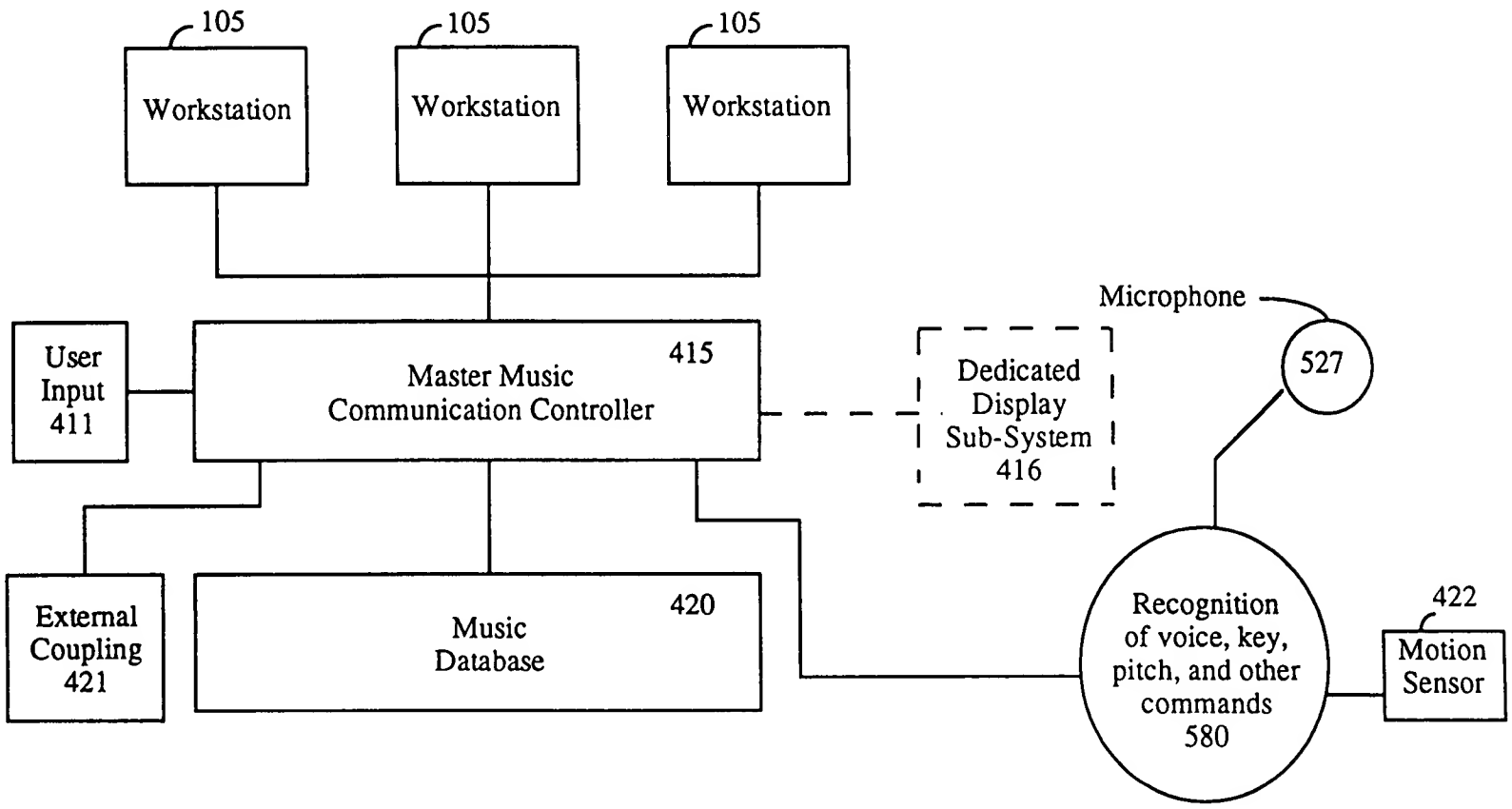


FIG. 7

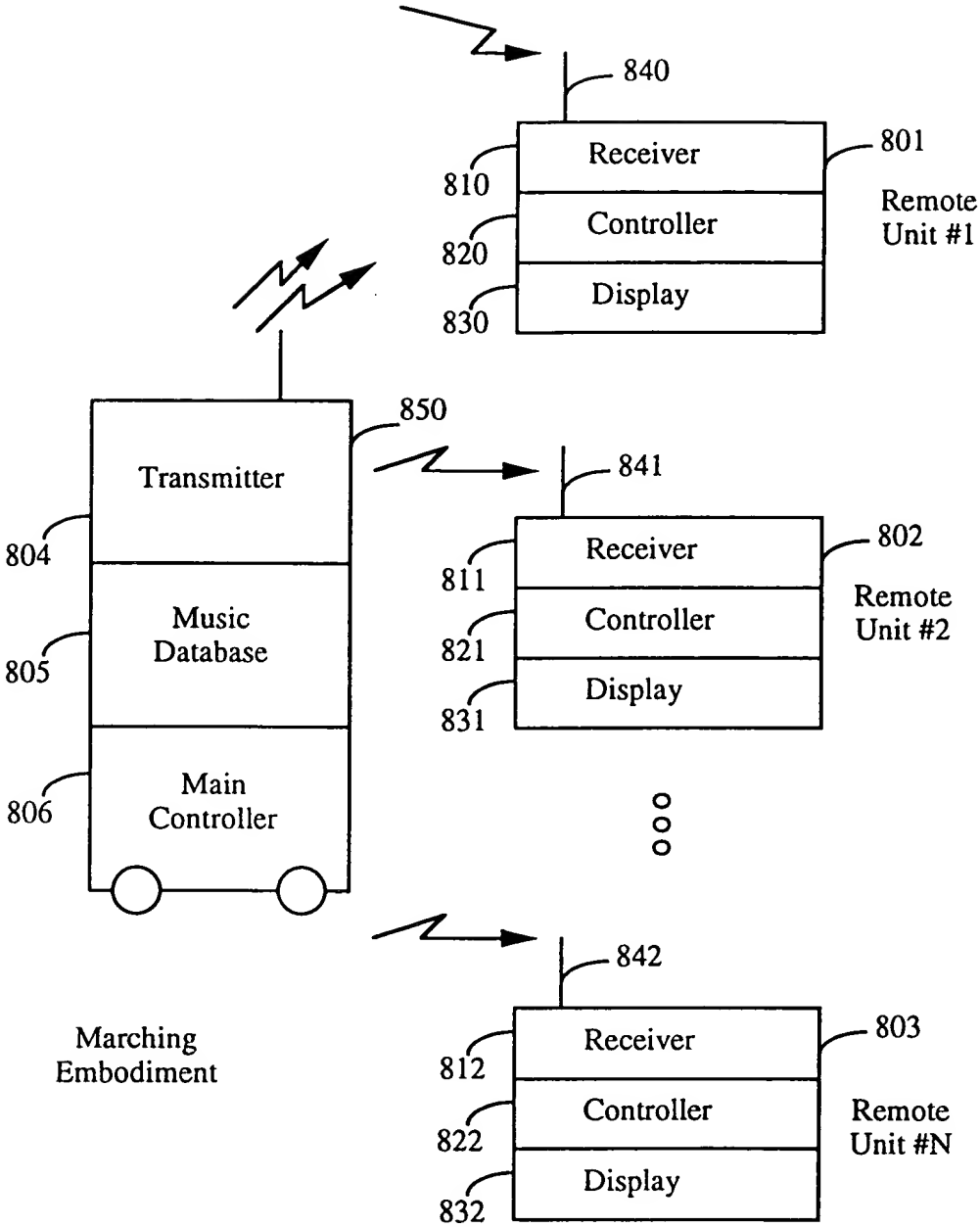

840
Receiver
801
810
Controller
820
Remote
Unit #1
Display
830
850
Transmitter
841
804
Receiver
802
811
Music
Database
Controller
Remote
Unit #2
805
821
Display
831
Main
Controller
806
842
Receiver
803
812
Controller
822
Remote
Unit #N
Display
832
Marching
Embodiment

FIG. 8

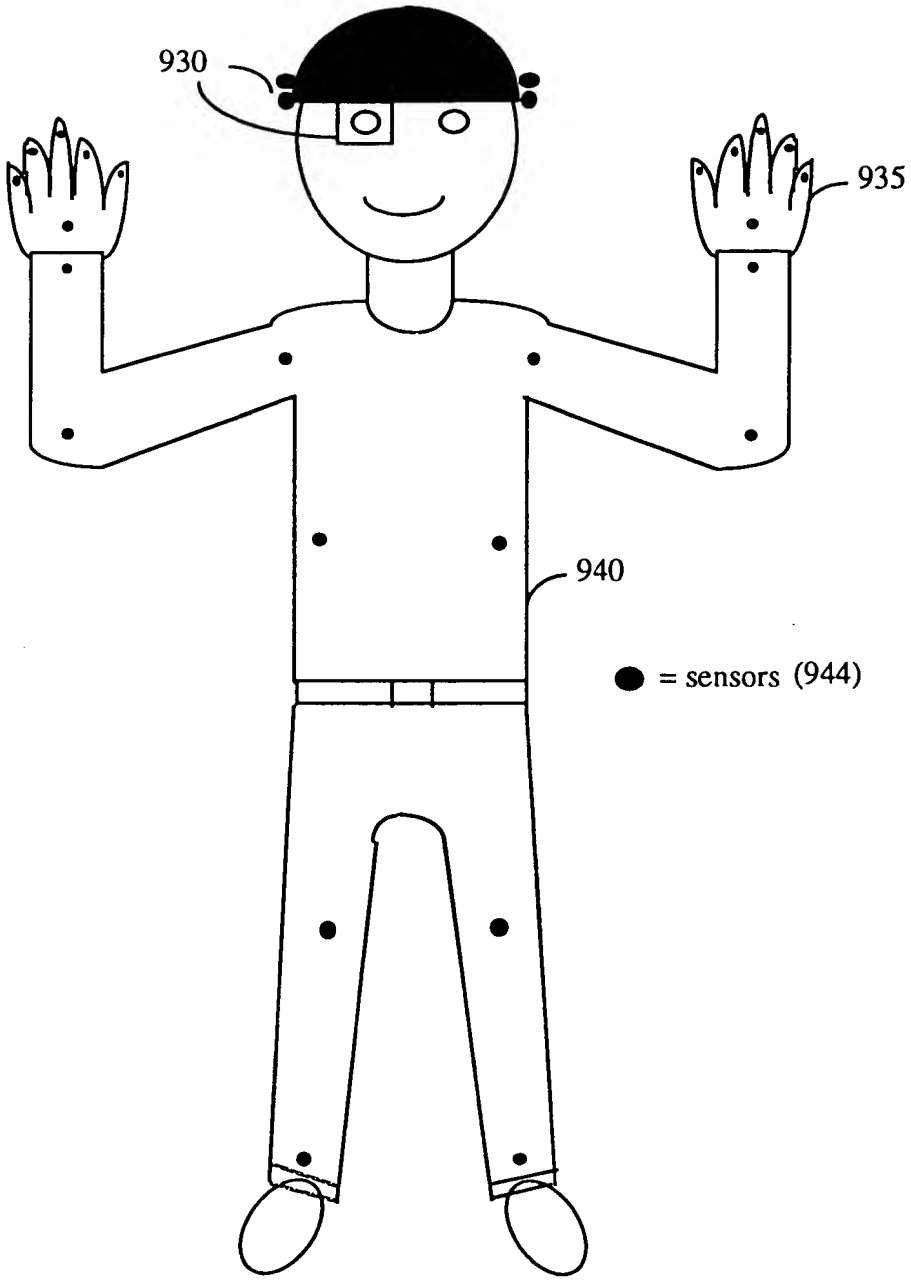


FIG. 9

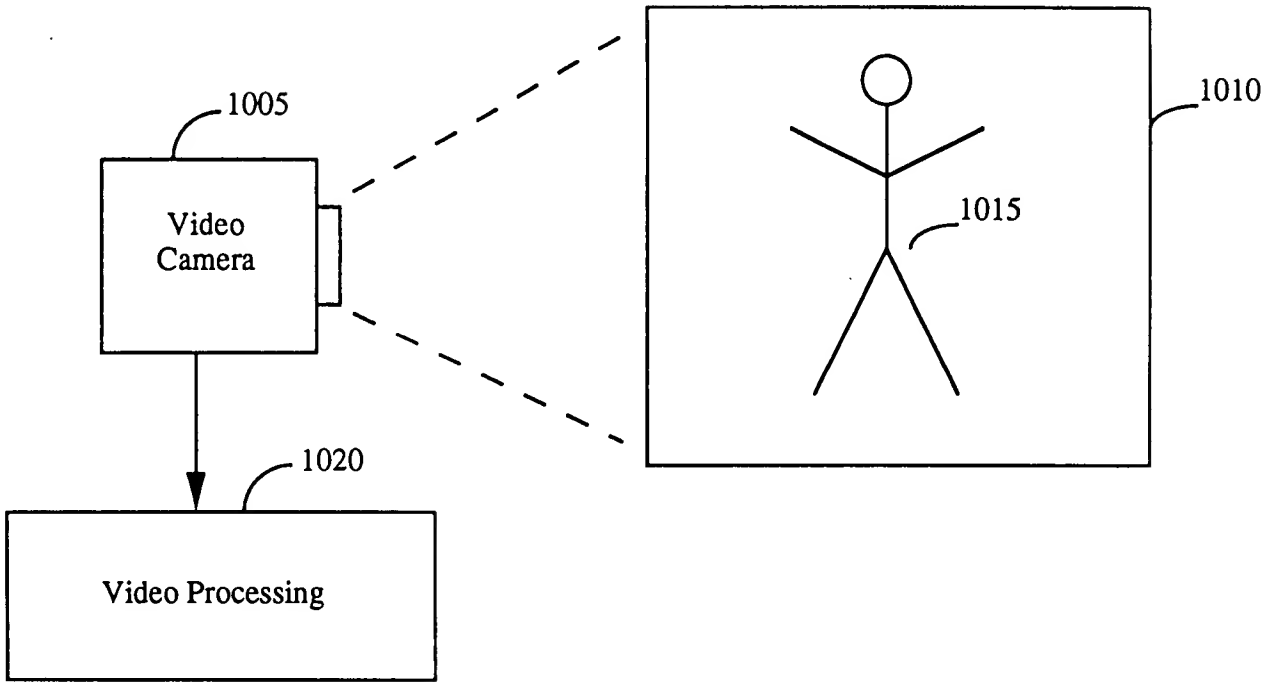


FIG. 10

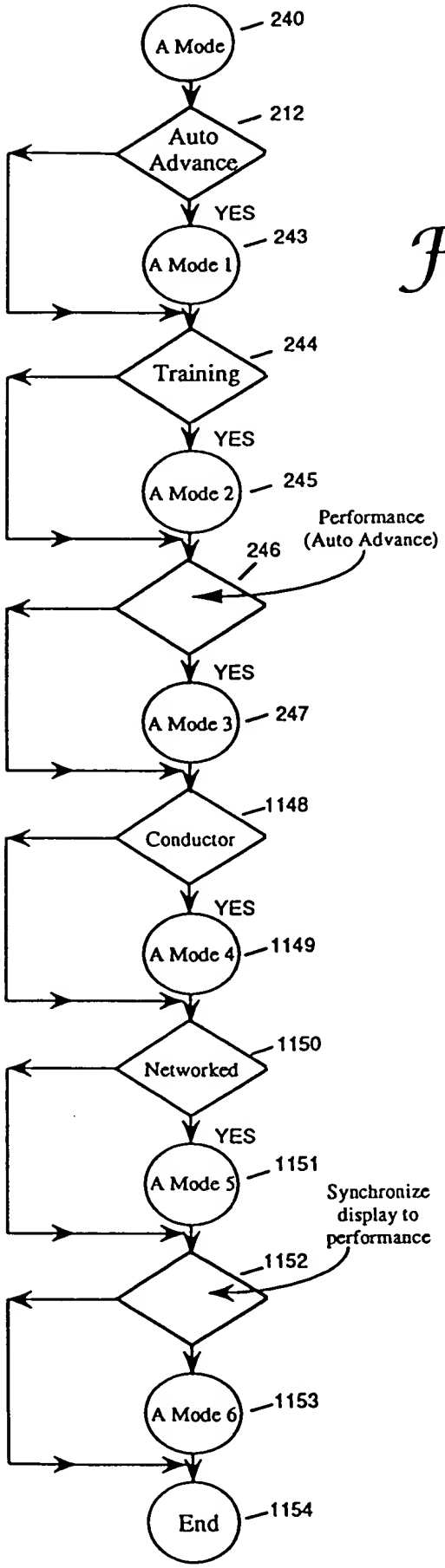

A Mode
240
Auto Advance
212
YES
A Mode 1
243
Training
244
YES
A Mode 2
245
Performance (Auto Advance)
246
YES
A Mode 3
247
Conductor
1148
YES
A Mode 4
1149
Networked
1150
YES
A Mode 5
1151
Synchronize display to performance
1152
A Mode 6
1153
End
1154

FIG. 11A

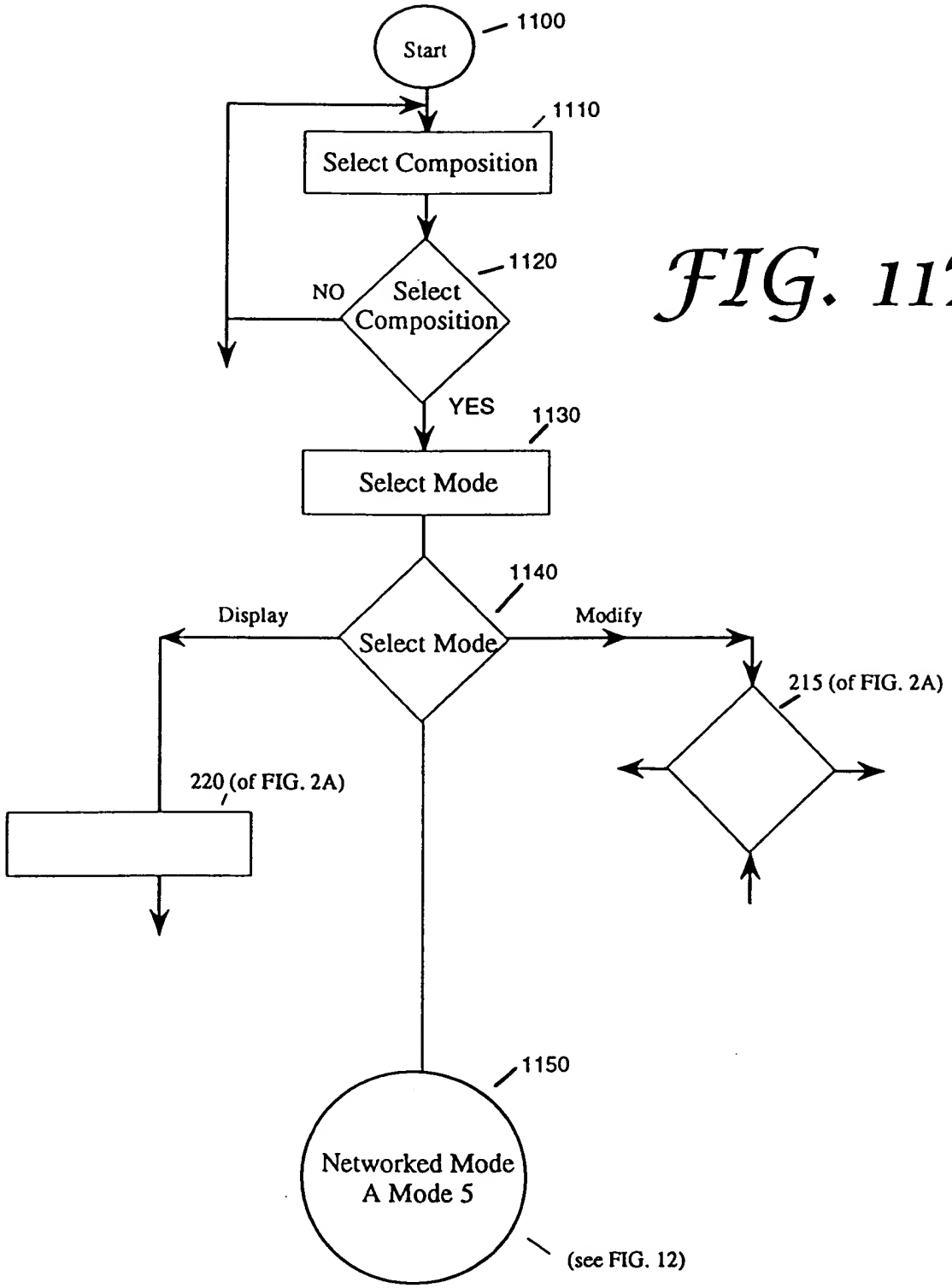

Start
1100
1110
Select Composition
1120
NO
Select Composition
YES
1130
Select Mode
1140
Display
Select Mode
Modify
215 (of FIG. 2A)
220 (of FIG. 2A)
1150
Networked Mode
A Mode 5
(see FIG. 12)

FIG. 11B

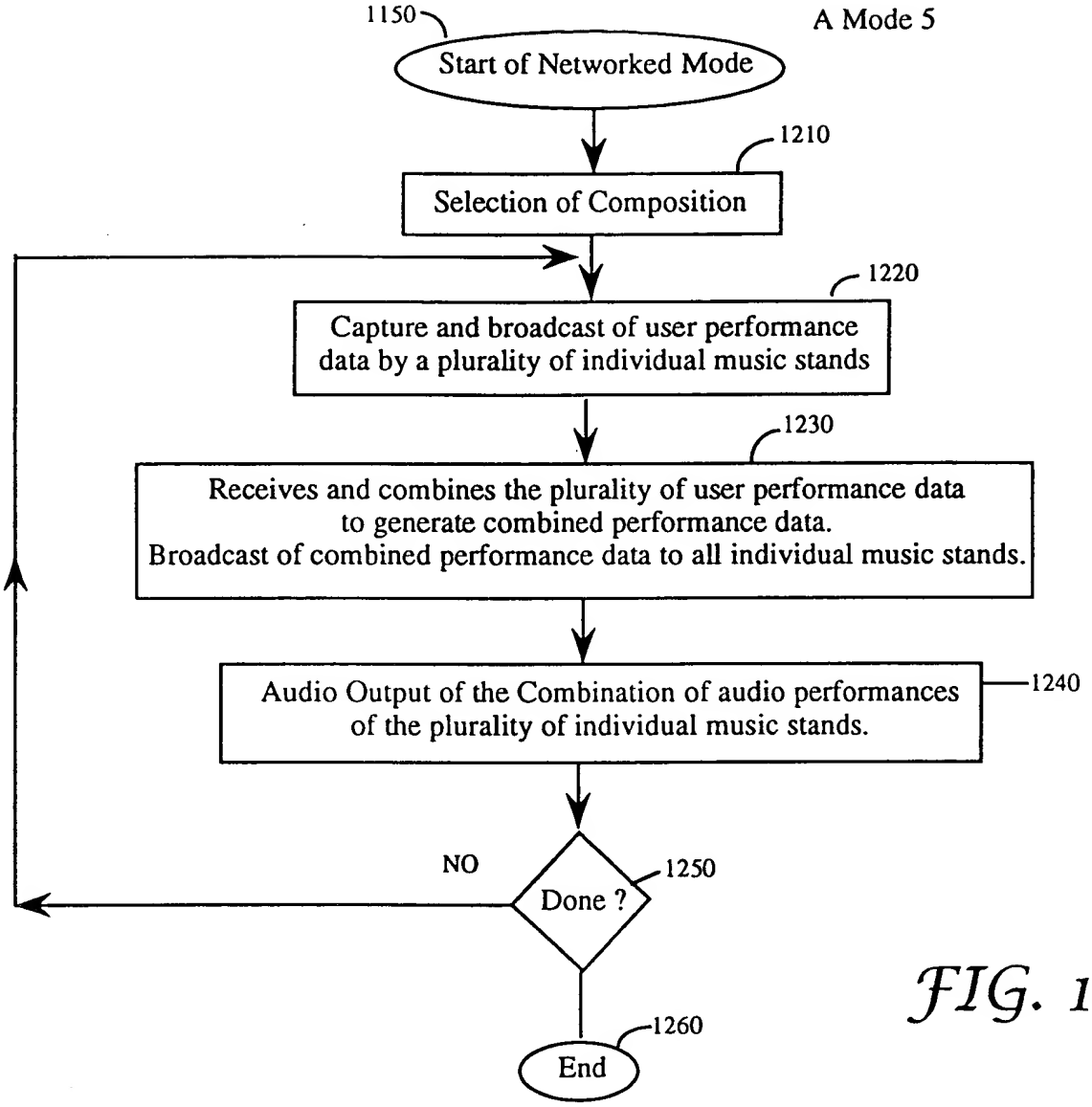
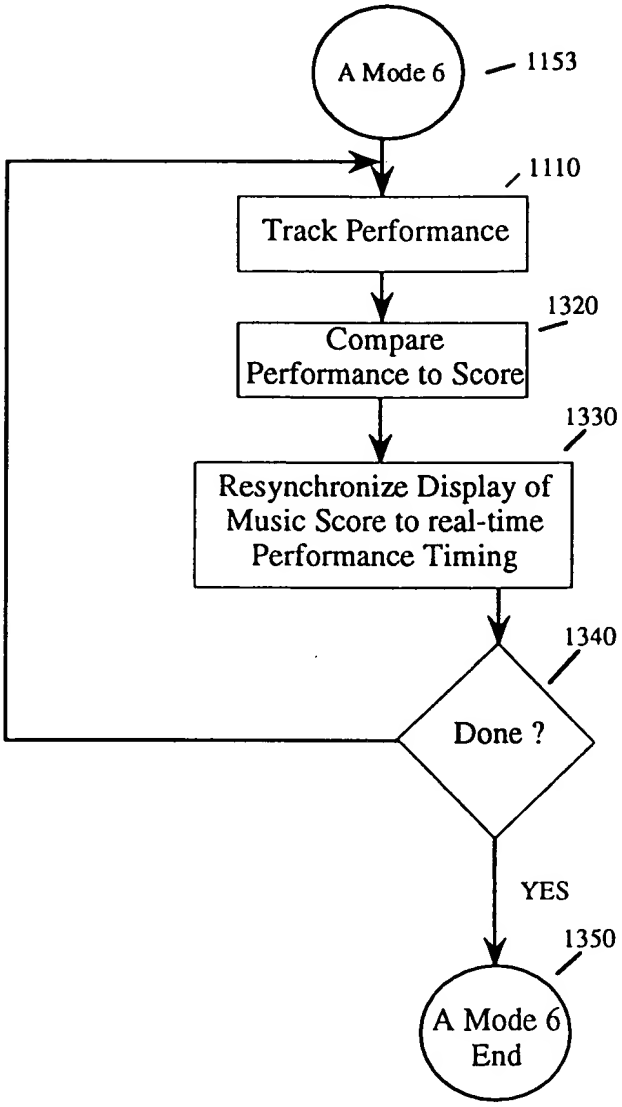

A Mode 5
1150
Start of Networked Mode
1210
Selection of Composition
1220
Capture and broadcast of user performance data by a plurality of individual music stands
1230
Receives and combines the plurality of user performance data to generate combined performance data.
Broadcast of combined performance data to all individual music stands.
Audio Output of the Combination of audio performances of the plurality of individual music stands.
1240
NO
Done ?
1250
1260
End

FIG. 12

FIG. 13


A Mode 6
1153
1110
Track Performance
1320
Compare Performance to Score
1330
Resynchronize Display of Music Score to real-time Performance Timing
1340
Done ?
YES
1350
A Mode 6 End

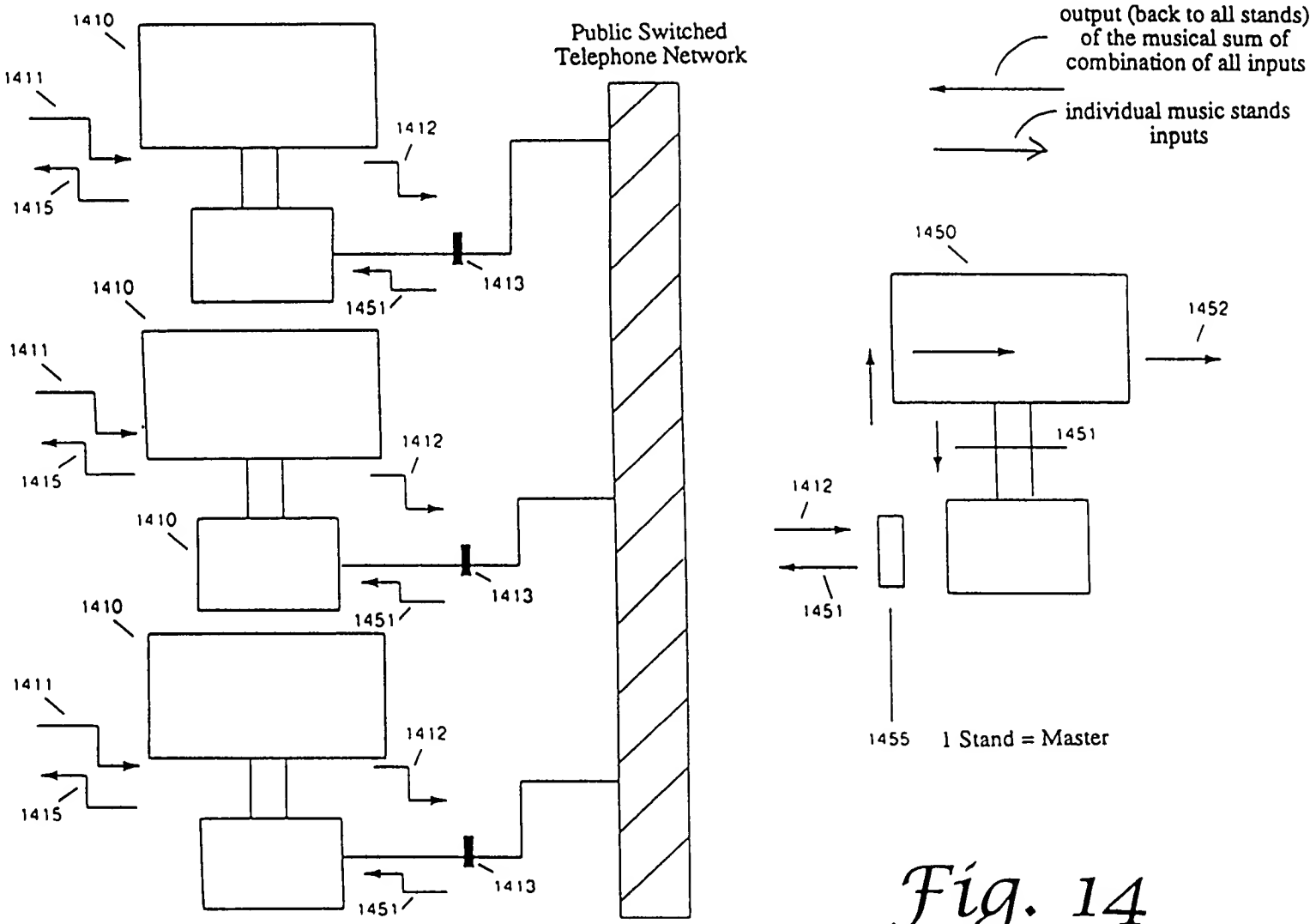
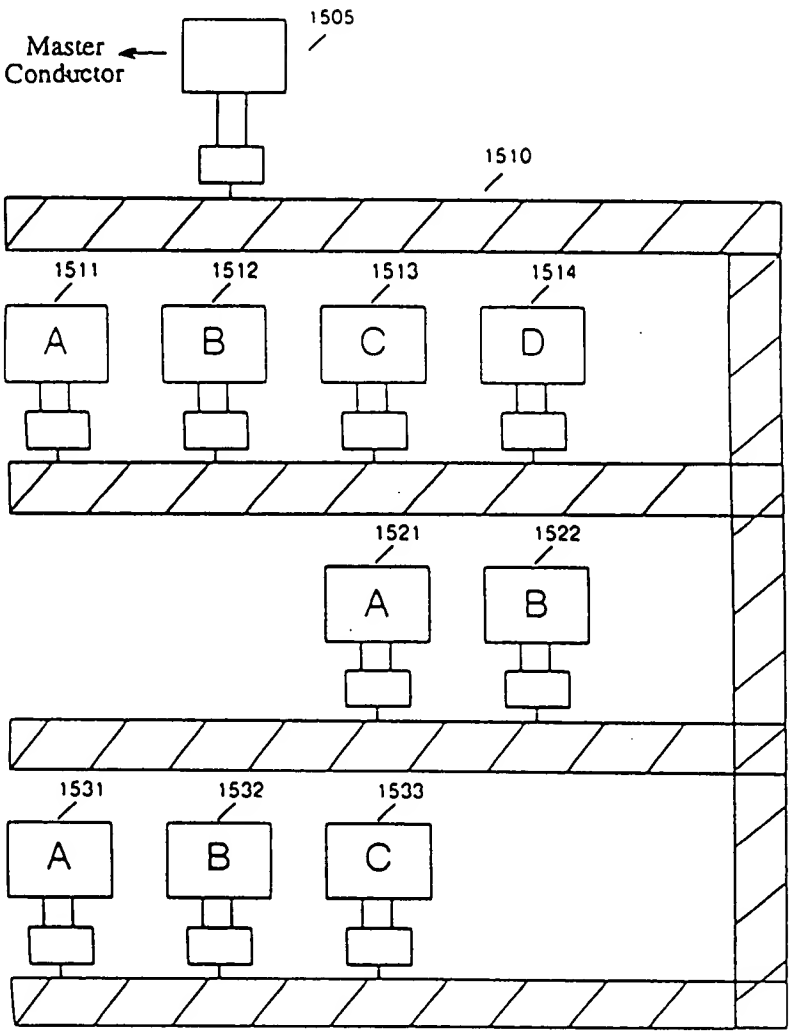


Fig. 14



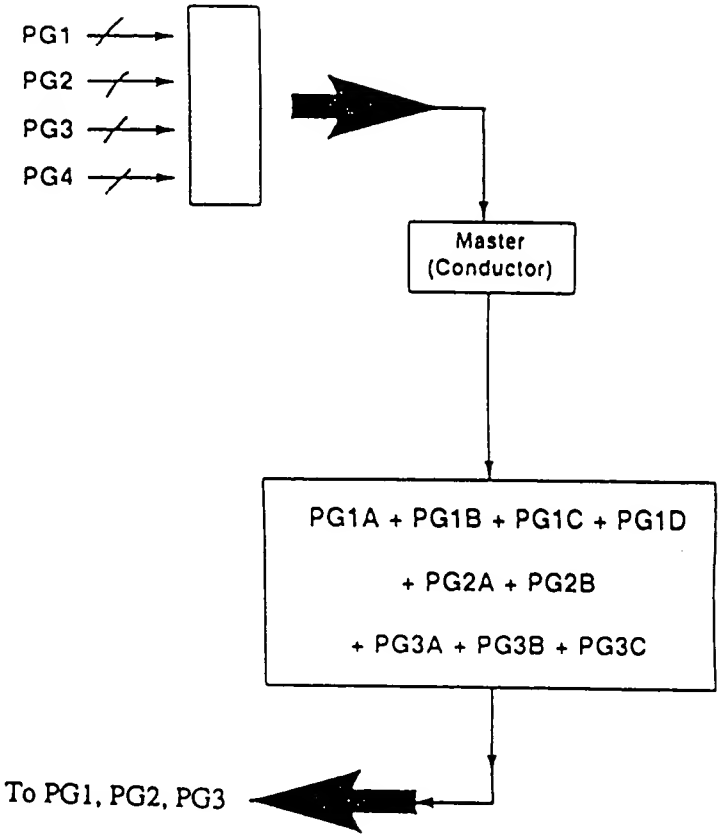
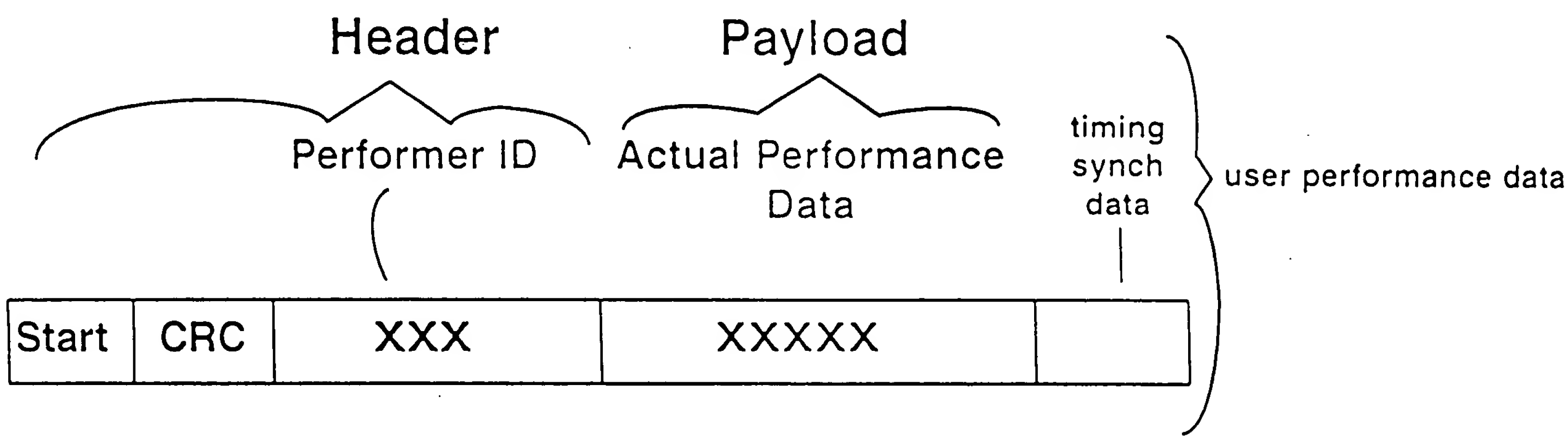


Fig. 15

Fig. 16


Header
Payload
Performer ID
Actual Performance Data
timing synch data
user performance data
Start
CRC
XXX
XXXXX

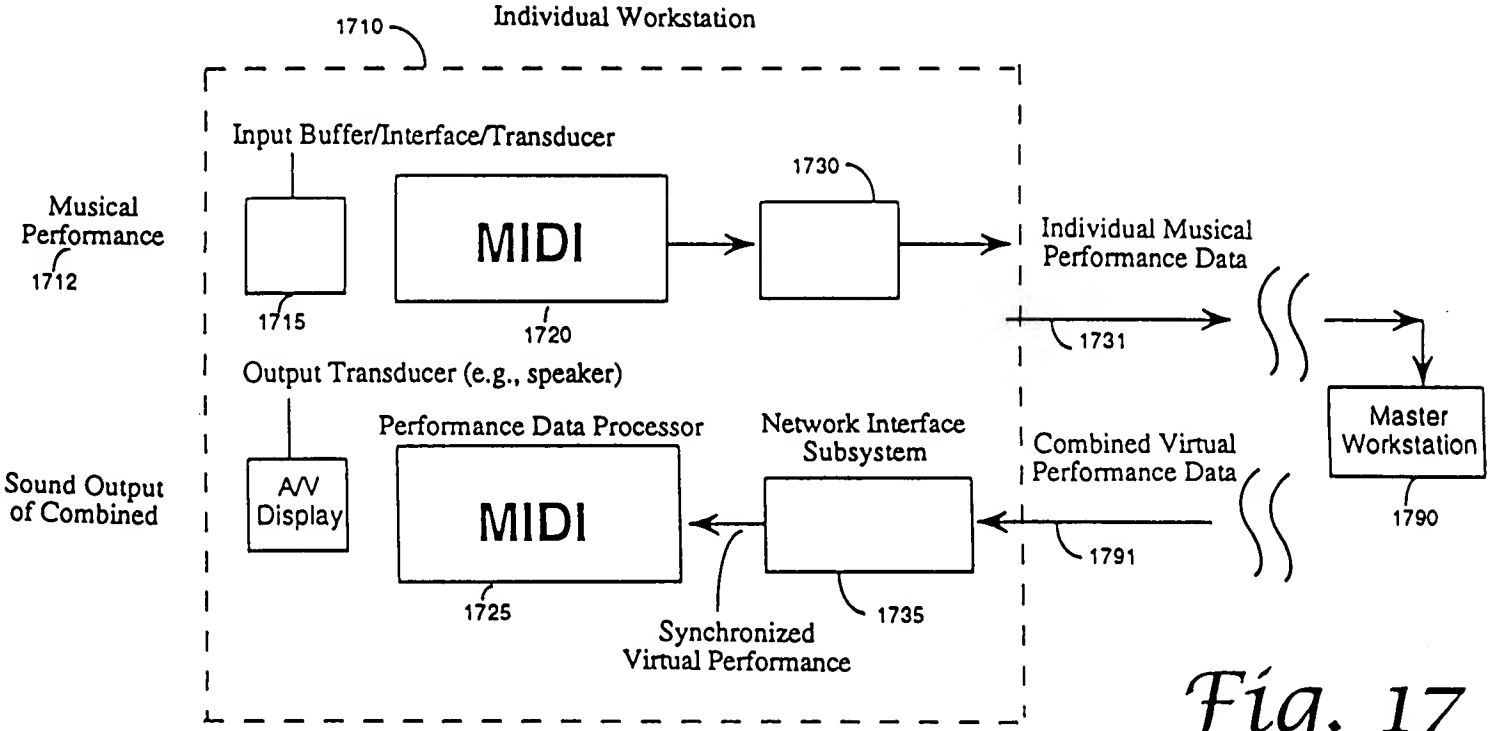
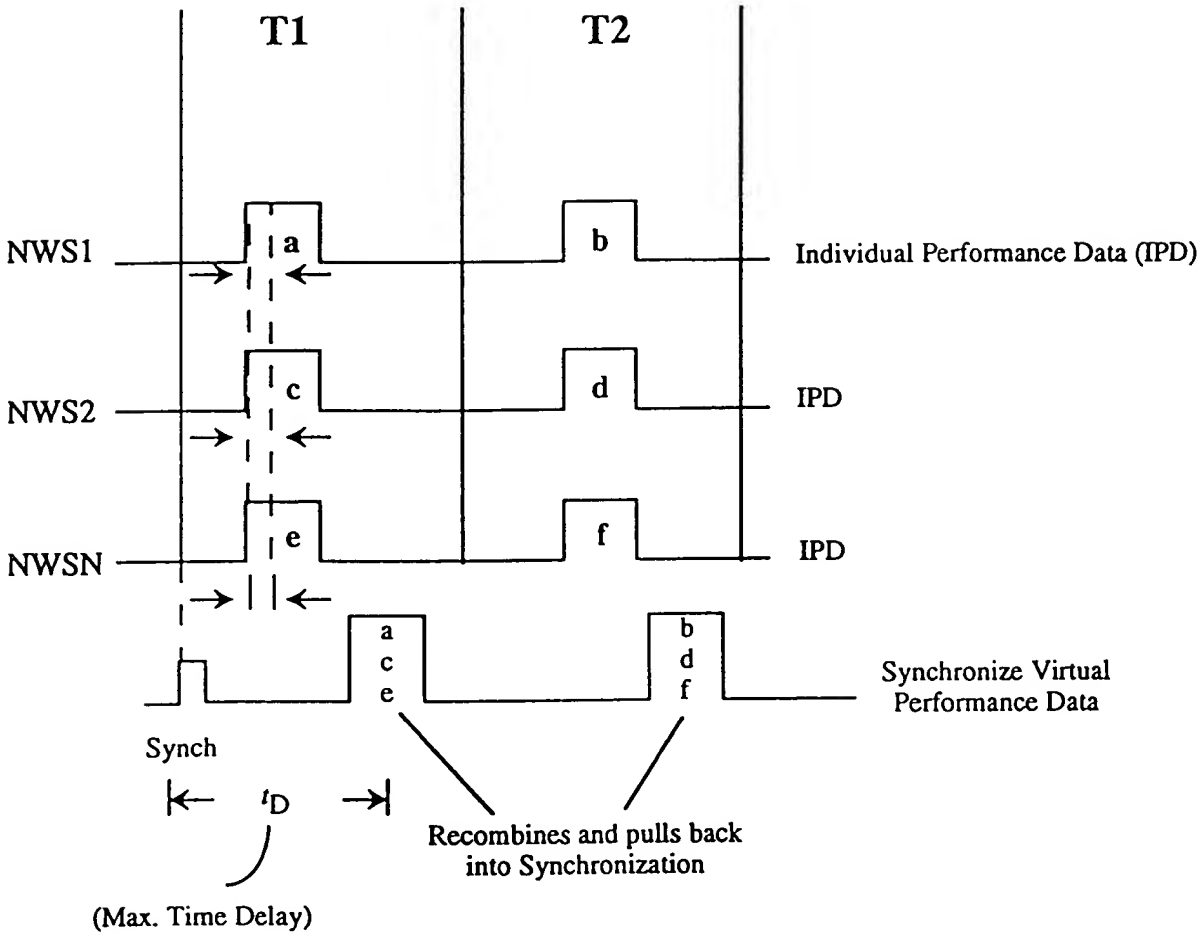


Fig. 17



a, b, c, d, e, f, = data and timing synch info

Fig. 18

Master Station Buffer

WS 1 IPDAxxx WS2 IPDBxxx WSN : IPDNxxx	Music Data Buffer (w/i RAM)

Combined Performance Data: Axxx + Bxxx .... + Nxxx = CPDXXX

Individual Work Station

Outgoing Live Performance Data: IPDxxxx Outgoing Combined Performance Data: CPDxxxx	Music Data Buffer (w/i RAM)

Fig. 19